

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:  
Xiaoming Ren et al.

Serial No.: 10/078,601

Filed: February 19, 2002

For: SIMPLIFIED DIRECT OXIDATION  
FUEL CELL SYSTEM

Examiner: Not yet assigned

Art Unit: 3753

Cesari and McKenna, LLP  
88 Black Falcon Avenue  
Boston, MA 02210  
May 8, 2002

"Express Mail" Mailing-Label Number: EL 736451788 US

Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

**RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION**

Enclosed in response to the Notice to File Missing Parts of Application-Filing Date Granted mailed March 14, 2002, is a Declaration for Patent Application executed by the inventors, along with a check for \$130 to cover the late oath or declaration surcharge for this Response. The above-referenced application filed in the Patent and Trademark Office is the application that the inventors executed by signing the enclosed Declaration.

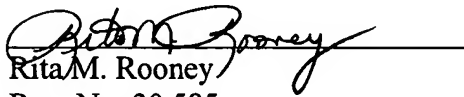
We are also enclosing an executed Assignment, cover sheet and check for \$40 to cover the Assignment recordation fee.

We also enclose an Information Disclosure Statement, 1449 form and copies of the cited references in connection with the above-identified patent application.

Lastly, we enclose a Letter to the Official Draftsman and a set of Formal Drawings (Figs. 1-10, 9 sheets).

Please charge any additional fee occasioned by this paper to our Deposit Account No. 03-1237.

Respectfully submitted,

  
Rita M. Rooney  
Reg. No. 30,585  
CESARI AND MCKENNA, LLP  
88 Black Falcon Avenue  
Boston, MA 02210-2414  
(617) 951-2500

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.



Complete if Known

Application Number	10/078,601
Filing Date	February 19, 2002
First Named Inventor	Xiaoming Ren et al.
Examiner Name	Not yet assigned
Group Art Unit	3753
Attorney Docket No.	107044-0013

TOTAL AMOUNT OF PAYMENT

(\$)

## METHOD OF PAYMENT

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: 03-1237  
Deposit Account Name: Cesari and McKenna, LLP

- ☒ Charge Any Additional Fee Required Under 37 C.F.R. §§1.16 and 1.17  
☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:  
☒ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)					0

### 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
20**	0	0	0
3**	0	0	0

Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

\*\*or number previously paid, if greater; For Reissues, see below

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Fee Surcharge - late filing fee or oath	130
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English Specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	128	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility Issue fee (or reissue)	
143	460	243	230	Design Issue fee	
144	620	244	310	Plant Issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify)					
Other fee (specify)					
SUBTOTAL (3)					170

\*Reduced by Basic Filing Fee Paid

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Rita M. Rooney	Registration No. (Attorney/Agent)	30,585	Telephone	(617) 951-2500
Signature				Date	May 8, 2002

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Office, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OF COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PATENTS  
107044-0013

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re The Application of:  
Xiaoming Ren et al.

Serial No.: 10/078,601

Filed: February 19, 2002

For: SIMPLIFIED DIRECT OXIDATION  
FUEL CELL SYSTEM

Examiner: Not yet assigned

Art Unit: 3753

Cesari and McKenna, LLP  
88 Black Falcon Avenue  
Boston, MA 02210  
May 8, 2002

**EXPRESS-MAIL DEPOSIT**

“Express Mail” Mailing-Label Number: EL 736451788 US

The following papers are being deposited with the United States Postal Service  
“Express Mail Post Office to Addressee” service pursuant to 37 C.F.R. §1.10:

X Power of Attorney  
X Fee Transmittal Letter

X Formal Drawings ( 9 sheets )  
X Letter to Official Draftsman  
X PTO-1449 and Copies of References

X copy of Notice to File Missing Parts of  
Application  
X Return Postcard

X Oath or Declaration  
X Assignment With Recordation Form  
Cover Sheet  
X Check No. 24256 for \$40.00  
X Information Disclosure Statement  
X Response to Notice to File Missing  
Parts of Application  
X Check No. 24257 for \$130.00



PATENTS  
107044-0013

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re The Application of:  
Xiaoming Ren et al.

Serial No.: 10/078,601

Filed: February 19, 2002

For: SIMPLIFIED DIRECT OXIDATION  
FUEL CELL SYSTEM

Examiner: Not yet assigned

Art Unit: 3753

Cesari and McKenna, LLP  
88 Black Falcon Avenue  
Boston, MA 02210  
May 8, 2002

“Express Mail” Mailing-Label Number: EL 736451788 US

Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

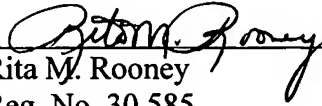
**LETTER TO OFFICIAL DRAFTSMAN**

If the Examiner in charge of the above-identified application approves, please substitute the enclosed drawing sheets containing formal versions of Figures 1-10 for the corresponding drawing sheets currently in the application.

Please charge any additional fee occasioned by this paper to our Deposit Account

No. 03-1237.

Respectfully submitted,

  
\_\_\_\_\_  
Rita M. Rooney  
Reg. No. 30,585  
CESARI AND MCKENNA, LLP  
88 Black Falcon Avenue  
Boston, MA 02210-2414  
(617) 951-2500



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

MAY 08 2002

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/078,601	05/09/2002	Xiaoming Ren	107044-0013

24267  
CESARI AND MCKENNA, LLP  
88 BLACK FALCON AVENUE  
BOSTON, MA 02210

CONFIRMATION NO. 5541

## FORMALITIES LETTER



\*OC000000007644457\*

Date Mailed: 03/14/2002

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

05/10/2002 SHINASS1 00000011 10078601

01 FC:105

130.00 OP